11-5820-497-20P

TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS FOR

RECEIVER-TRANSMITTER, RADIO RT-505/PRC-25 (NSN 5820-00-857-0934)

HEADQUARTERS, DEPARTMENT OF THE ARMY

MARCH 1979

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TECHNICAL MANUAL
No. 11-5820-497-20P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *30 March 1979*

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS FOR RECEIVER-TRANSMITTER, RADIO RT-505/PRC-25 (NSN 5820-00-857-0934)

Current as of 28 November 1978

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*This manual together with TM 11-5820-398-20P, 15 July 1977, supersedes so much of TM 11-5820-398-12, 17 November 1965, as pertains to repair parts and special tools list.

Group 0626 Audio and control chassis assembly (A27) (no parts authorized)
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SECTION I
INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational maintenance of the RT-505/PRC-25. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) *Source code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	*Definition*
PA	—Item procured and stocked for anticipated or known usage.
XD	—A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(*a*) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	*Application/Explanation*
O	—Support item is removed, replaced, used at the organizational level.

(*b*) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	*Application/Explanation*
D	—The lowest maintenance level capable of complete repair of the support item is the depot level.
Z	—Nonreparable. No repair is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability codes	*Definition*
Z	—Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
D	—Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.

c. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

e. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the Federal item name and, if

required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. The following publication pertains to the RT-505/PRC-25 and its components:

TM 11-5820-398-12, Radio Set AN/PRC-25 (Including Receiver-Transmitter, Radio RT-505/PRC-25)

b. The illustrations in this manual are identical to those published in TM 11-5820-497-34P. Only those parts assigned the third position SMR maintenance code "C" or "O" are listed in the tabular listing; therefore, there may be a break in the item number sequence. Only illustrations containing organizational authorized items appear in this manual.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

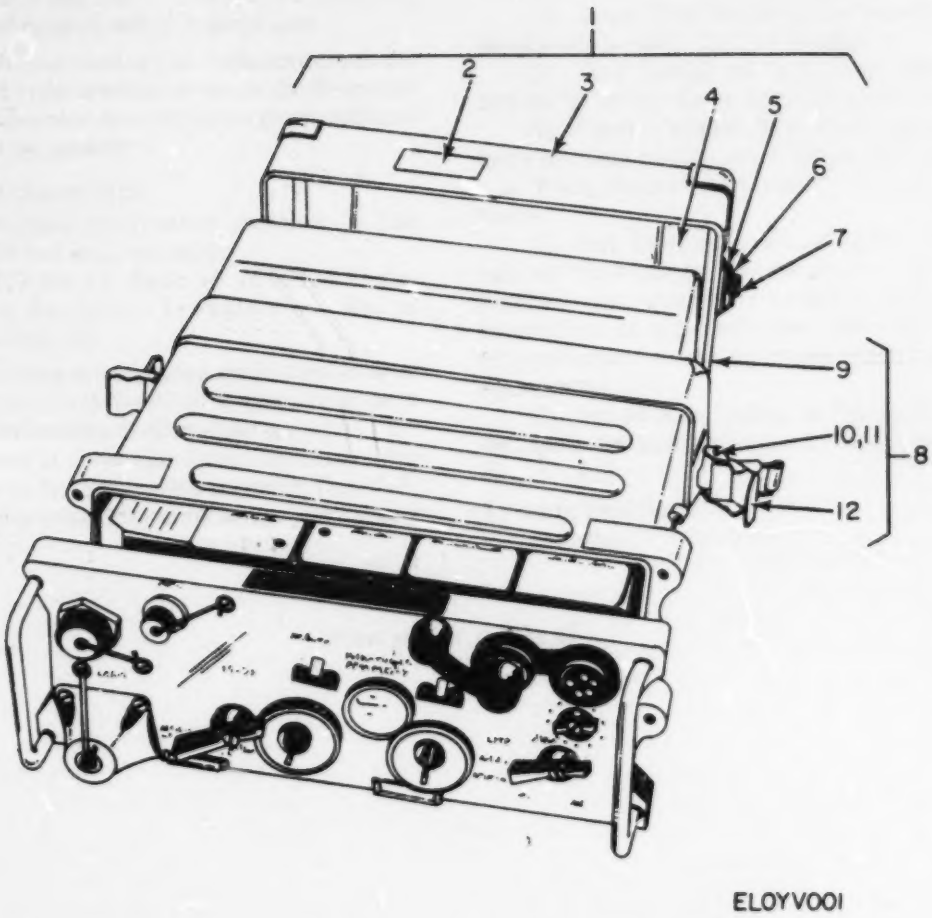

Figure 1. Receiver-Transmitter RT-505/PRC-25.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 06 RECEIVER-TRANSMITTER RT-505/PRC-25		
1	1	PAODD	5820-00-086-7148	CY2562PRC25	80058	BATTERYBOX.....	EA	1
1	8	PAODD	5820-00-973-1731	SMD447351	80063	CASE.....	EA	1

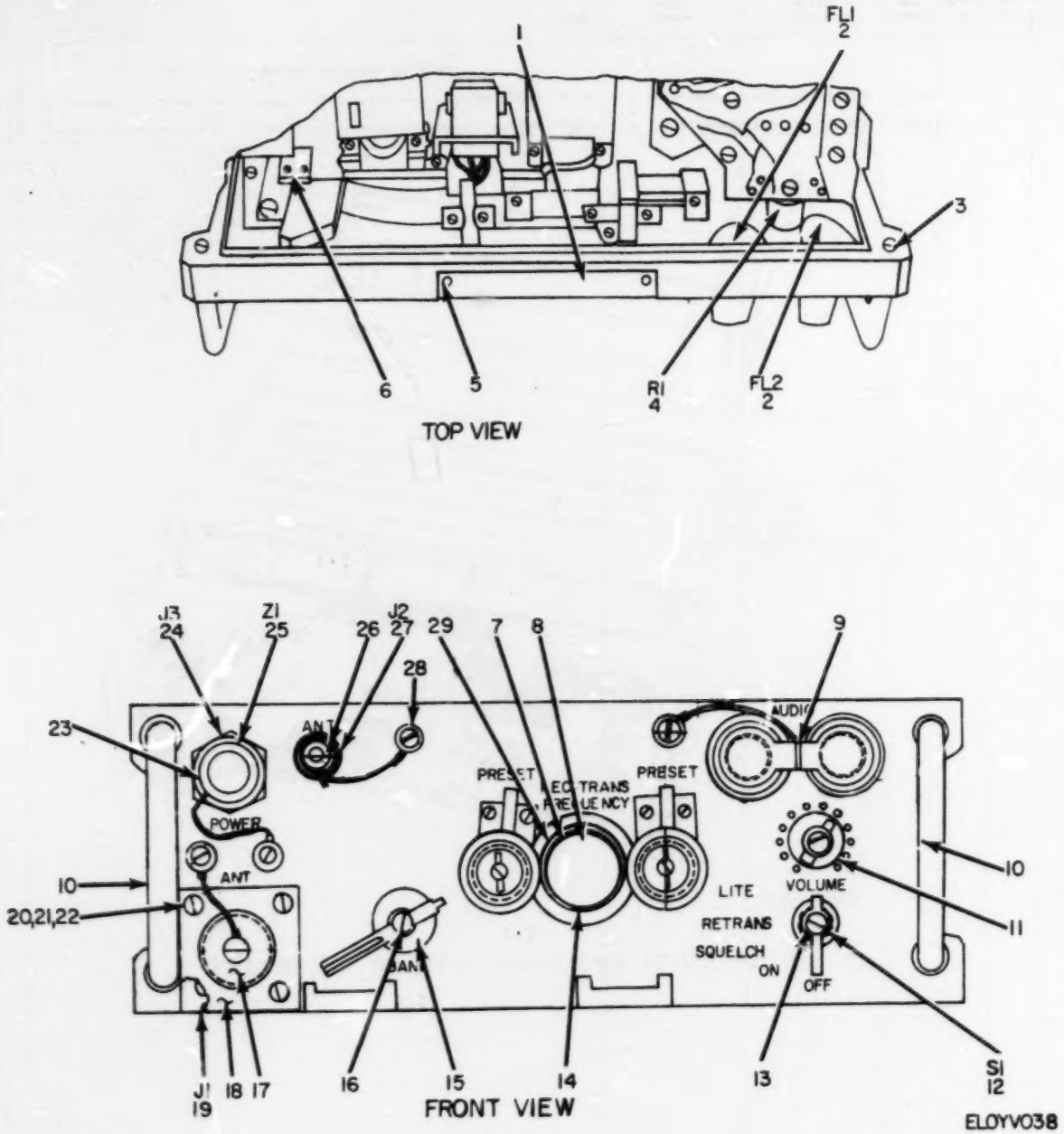

Figure 2. Panel Assembly (A30).

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0632 PANEL ASSEMBLY (A30)		
2	9	PAOZZ	5935-00-973-1732	SMB447440	80063	COVER,ELECTRICAL	EA	1
2	11	PAOZZ	5355-00-552-0451	MS91524-1	96906	KNOB	EA	1
2	13	PAOZZ	5355-00-889-3424	SMC447052	80063	KNOB	EA	1
2	15	PAOZZ	5355-00-889-3425	SMC447226	80063	KNOB	EA	1
2	16	PAOZZ	5305-00-558-4889	MS35223-14	96906	SCREW,MACHINE	EA	1
2	17	PAOZZ	5935-00-978-4357	SMC447403	80063	COVER,ELECTRICAL	EA	1
2	25	PAOZZ	5935-00-973-1859	SM-C-447929	80063	CONNECTOR,PLUG	EA	1
2	26	PAOZZ	5935-00-973-1733	SMB447439	80063	COVER,ELECTRICAL	EA	1

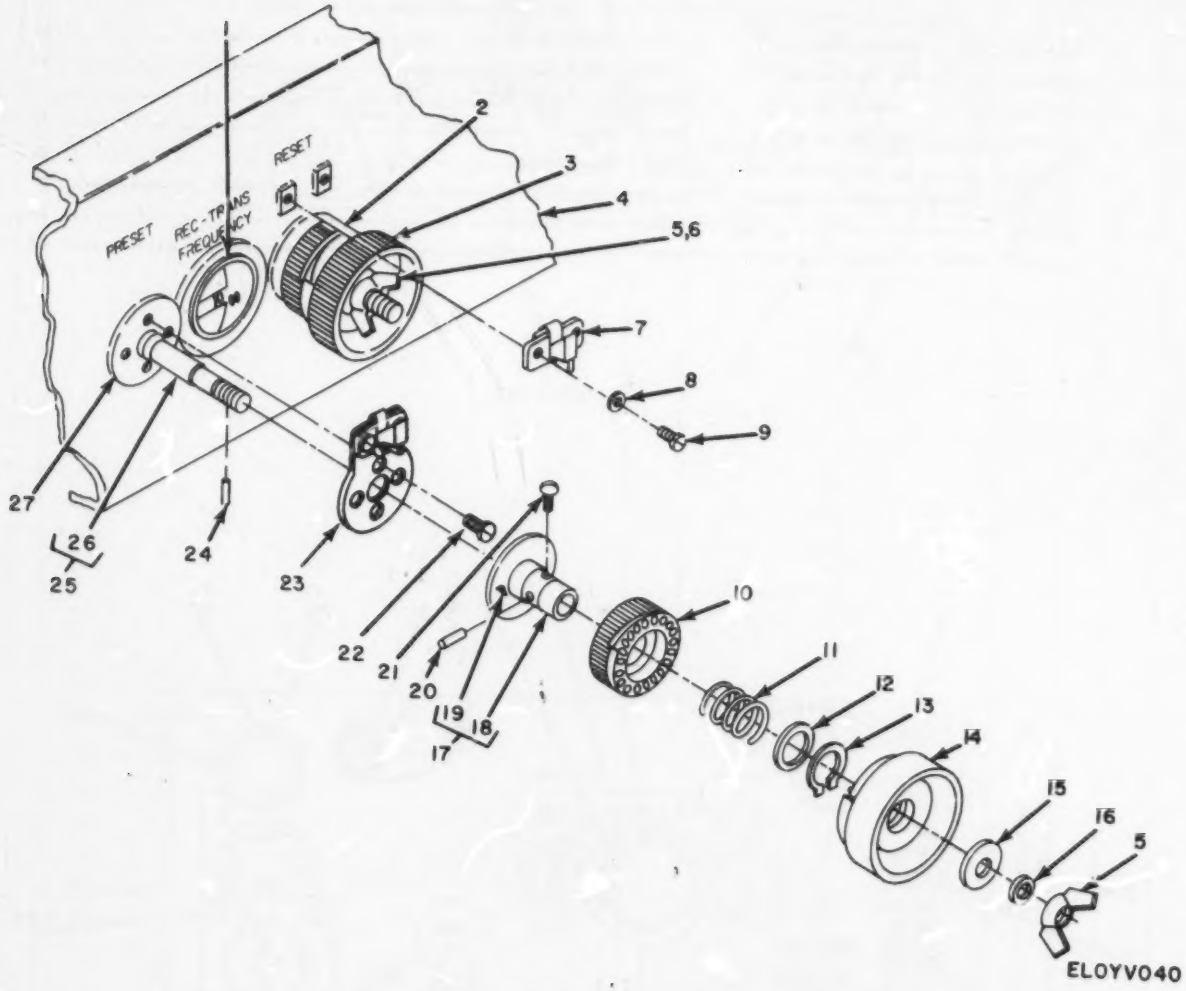

Figure 3. Panel Assembly (A30), Knob Assembly.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
3	2	PAOZZ	5355-00-930-0728	SMC447976-1	80063	KNOB	EA	1
3	3	PAOZZ	5355-00-951-5165	SMC447306	80063	KNOB	EA	2
3	5	XDOZZ	5310-00-973-3697	SMB447308	80063	NUT,PLAIN,WING	EA	2
3	6	XDOZZ	5310-00-889-2586	SMB447694-1	80063	WASHER,LOCK	EA	1
3	10	PAOZZ	5355-00-930-0729	SMC447976-2	80063	KNOB	EA	1
3	15	XDOZZ		SMB447107-5	80063	WASHER,FLAT	EA	2
3	16	XDOZZ	5310-00-889-2586	SMB447694-1	80063	WASHER,LOCK	EA	1

NOTE: LATEST NATIONAL STOCK NUMBER AND PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX.

STOCK NUMBER	FIGURE NO.	ITEM NO.
5820-00-086-7148	1	1
5355-00-552-0451	2	11
5310-00-889-2586	3	6
5310-00-889-2586	3	16
5355-00-889-3424	2	13
5355-00-889-3425	2	15
5355-00-930-0728	3	2
5355-00-930-0729	3	10
5355-00-951-5105	3	3
5820-00-973-1731	1	8
5935-00-973-1732	2	9
5935-00-973-1733	2	26
5935-00-973-1859	2	25
5310-00-973-3697	3	5
5935-00-978-4357	2	17

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CY2562PRC25	80058	1	1
MS91524-1	96906	2	11
SM-C-447929	80063	2	25
SM8447107-5	80063	3	15
SM8447308	80063	3	5
SM8447439	80063	2	26
SM8447440	80063	2	9
SM8447694-1	80063	3	6
SM8447694-1	80063	3	16
SMC447052	80063	2	13
SMC447226	80063	2	15
SMC447306	80063	3	3
SMC447403	80063	2	17
SMC447976-1	80063	3	2
SMC447976-2	80063	3	10
SMD447351	80063	1	8

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
MS35223-14	96906	2	16

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.
5305-00-558-4889	2	16

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DATE 10 July 1975

PUBLICATION NUMBER	DATE	TITLE
TM 11-5840-340-20P	23 Jan 78	Radar Set AN/PRC-76

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PAGE NO.	PARAGRAPH	FIGURE NO	TABLE NO.
33			
44		19	
45			

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

SAMPLE

For item 2, change the NSN to read: 5835-00-134-9186.
Reason: Accuracy.

Identify the cover on the junction box (item no. 5).
Reason: It is a separate item and is not called out on figure 19.

Add the cover of the junction box as an item in the listing for figure 19.
Reason: Same as above.

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER
SSG I. M. DeSpiritof 999-1776

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